

REMARKS

Claim Objection

The claim objection is moot in view of the cancellation of claim 12.

The Rejection Under 35 USC § 103

Faris is only concerned with inks that contain electrically conductive materials. Nothing in said reference suggest materials that absorb in the IR region, or a method utilizing IR radiation to achieve the curing or drying of the ink. As such, neither the methods claims nor the claimed products are obvious from the disclosure of Faris.

It is noted that Faris broadly mentions doped tin oxide. However, such broad terminology does not provide motivation in the direction of the claimed invention, especially since doping with various elements can lead to differing results. In view of explicit guidance from Faris, one of ordinary skill in the art would select dopants that would achieve electrically conductive materials without any consideration regarding IR absorption.

Yukinobu, likewise to Faris, is concerned with conductive substrates. The example with ITO particles is excluded by a proviso from the claims herein (with the exception of new claim 29, which is not taught or suggested by the claims for its inclusion of antimony oxide doped tin oxide having a particle size of 0.5 to 30 μm), and nothing in Yukinobu provides a reason to one of ordinary skill in the art to select a substrate that absorbs in the IR region to allow for the IR radiation curing or drying of the coating layer. According to Yukinobu, the problem to be solved is the optical performance of transparent conductive layers containing in high amounts of ITO. Other IT absorbers are not taught or suggested.

Elfenthal is concerned with the preparation of ultra fine particle titanium dioxide which is achieved by adjustments with tin dioxide. Said material is taught to be adsorbent in the UV region. Nothing regarding absorbing in the IP region is mentioned or suggested.

As such, none of the cited art teaches or suggests a method or a product as recited in the claims, e.g., containing a material that absorbs in the IR region.

The Commissioner is hereby authorized to charge any fees associated with this response or credit any overpayment to Deposit Account No. 13-3402.

Respectfully submitted,

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